

boundary and identify causes for the variability in nitrogen flux. Application accepted by Commissioner of Customs: November 6, 1998.

Docket Number: 98-060. Applicant: Iowa State University of Science & Technology, 3616 Administrative Services Building, Ames, IA 50011-3616. Instrument: Variable Temperature Scanning Tunneling Microscope. Manufacturer: Omicron Vakuum Physik, Germany. Intended Use: The instrument will be used for characterization and fundamental studies of submonolayer to multilayer metal films deposited on metal single crystal surfaces. The studies will involve depositing metals onto metal substrates at a given temperature and following the evolution of the surface structure for time periods as long as 12 hours using the instrument. The evolution of the films will be studied both during and after deposition. In addition, the instrument will be used for educational purposes in the courses Chemistry 576-Surface Chemistry and Chemistry 699-Research. Application accepted by Commissioner of Customs: November 19, 1998.

Docket Number: 98-061. Applicant: The University of Chicago, Operator of Argonne National Laboratory, 9700 S. Cass Avenue, Argonne, IL 60439. Instrument: Ion Source. Manufacturer: Atomika Instruments, Germany. Intended Use: The instrument will be used as a desorption source in depth profiling and trace analysis of a wide variety of materials ranging from semiconductor wafers (Si, GaAs, HgCdTe) to solar wind collector foils of a diamond. The objective of this research is to analyze near-surface concentrations below one part per trillion (several orders of magnitude below the current capability anywhere in the world). Application accepted by Commissioner of Customs: November 24, 1998.

Docket Number: 98-062. Applicant: University of California, Davis, Department of Applied Science, Institute for Laser Science and Applications, Lawrence Livermore National Laboratory, 7000 East Avenue, Livermore, CA 94550. Instrument: Titanium Sapphire Oscillator. Manufacturer: Femtolasers Produktions, Germany. Intended Use: The instrument is intended to be used for the study of the interactions of ultrashort, ultrahigh intensity laser pulses with relativistic electron beams in vacuum in the following experiments: (a) production of ultrashort electron bunches in a rf photoinjector for the production of Coherent Synchrotron Radiation in a Free Electron Laser, (b) Vacuum Laser Acceleration of electron beams using either "ponderomotive scattering" or

"chirped pulse inverse free electron lasers" and (c) production of short, intense bursts of x-rays using Compton Scattering for basic and applied physics applications. Application accepted by Commissioner of Customs: November 24, 1998.

Docket Number: 98-063. Applicant: University of Maryland, Center for Microanalysis and Microscopy, Department of Materials and Nuclear Engineering, Building 090, College Park, MD 20742. Instrument: Electron Microprobe, Model JXA-8900R. Manufacturer: JEOL Ltd., Japan. Intended Use: The instrument is intended to be used for studies of the chemical composition and elemental distribution of geological materials, engineering materials, biologic materials, thin films on substrates, and the chemistry of various other objects of interest. These studies will involve experiments consisting of focusing a high voltage electron beam on a solid sample (usually a polished grain mount or cross-section, thin section or other ceramic), generating characteristic x-rays, and measuring these x-rays quantitatively with wavelength and energy dispersive spectrometers. In addition, the instrument will be used for hands-on training in operation of the instrument. Application accepted by Commissioner of Customs: November 24, 1998.

**Frank W. Creel,**

*Director, Statutory Import Programs Staff.*

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## DEPARTMENT OF COMMERCE

### International Trade Administration

#### University of California, Davis; Notice of Decision on Application for Duty-Free Entry of Scientific Instrument

This decision is made pursuant to Section 6(c) of the Educational, Scientific, and Cultural Materials Importation Act of 1966 (Pub. L. 89-651, 80 Stat. 897; 15 CFR part 301). Related records can be viewed between 8:30 A.M. and 5:00 P.M. in Room 4211, U.S. Department of Commerce, 14th and Constitution Avenue, N.W., Washington, D.C.

Docket Number: 98-047. Applicant: University of California, Davis, Davis, CA 95616. Instrument: Plasma Generating Machine, Model SPS-1050. Manufacturer: Sumitomo Coal Mining Co., Japan. Intended Use: See notice at 63 FR 54676, October 13, 1998.

Comments: None received. Decision: Approved. No instrument of equivalent

scientific value to the foreign instrument, for such purposes as it is intended to be used, is being manufactured in the United States. Reasons: The foreign instrument provides quick formation of dense, hard materials from powders using spark plasma sintering. The National Institute of Standards and Technology advised December 1, 1998 that (1) this capability is pertinent to the applicant's intended purpose and (2) it knows of no domestic instrument or apparatus of equivalent scientific value to the foreign instrument for the applicant's intended use.

We know of no other instrument or apparatus of equivalent scientific value to the foreign instrument which is being manufactured in the United States.

**Frank W. Creel,**

*Director, Statutory Import Programs Staff.*

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## DEPARTMENT OF COMMERCE

### International Trade Administration

#### Export Trade Certificate of Review

**ACTION:** Notice of Application to Amend Certificate.

**SUMMARY:** The Office of Export Trading Company Affairs ("OETCA"), International Trade Administration, Department of Commerce, has received an application to amend an Export Trade Certificate of Review. This notice summarizes the proposed amendment and requests comments relevant to whether the amended Certificate should be issued.

#### FOR FURTHER INFORMATION CONTACT:

Morton Schnabel, Director, Office of Export Trading Company Affairs, International Trade Administration, (202) 482-5131. This is not a toll-free number.

**SUPPLEMENTARY INFORMATION:** Title III of the Export Trading Company Act of 1982 (15 U.S.C. 4001-21) authorizes the Secretary of Commerce to issue Export Trade Certificates of Review. A Certificate of Review protects the holder and the members identified in the Certificate from state and federal government antitrust actions and from private, treble damage antitrust actions for the export conduct specified in the Certificate and carried out in compliance with its terms and conditions. Section 302(b)(1) of the Act and 15 CFR 325.6(a) require the Secretary to publish a notice in the **Federal Register** identifying the